

**Apparatus and Method for Treating Ventricular Tachyarrhythmias**

**Abstract**

A system and method for selectively treating a ventricular tachycardia based  
5 on sensed atrial and ventricular intervals from the patient's heart. A detection  
window of the ten most recent atrial and ventricular intervals are analyzed for the  
occurrence of either tachycardia or fibrillation. When a majority of the sensed  
intervals are satisfied, the apparatus starts a duration time interval. Ventricular  
intervals and atrial intervals are compared, ventricular interval greater than the atrial  
10 interval by a bias factor the system delivers tachycardia therapy to the heart.  
Alternatively, the method withholding tachycardia therapy to the heart when the atrial  
rate is classified as atrial fibrillation and the ventricular response is unstable.

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